

Thomson PC-87



For rotating equipment, centrifugal pumps, agitators/mixers, reciprocating pumps & valves. Extrusion resistant.

FEATURES / BENEFITS

- Good extrusion resistance for longer life.
- High strength for lower wear and longer life.
- Chemical compatibility reduces inventory costs.
- Sleeve protection for less wear and reduces parts costs.
- Non-contaminating and will not degrade media.
- Reduces maintenance and parts costs.

TYPICAL APPLICATIONS

- General chemical service where slurries or pressures in excess of 300 psi are typically encountered.
- Abrasive slurries, pulp stock, mine effluent, asphalt and produced water in oilfield production applications.

SPECIFICATIONS

Construction:

Expanded Teflon®, lubricated, graphite impregnated with tough aramid fibre reinforcing braid. Square interbraid.

Max Speed:

2500+ fpm (12.7 m/s)

Temperatures:

-148°F (-100°C) to
536°F (280°C)

pH range:

2–12

Max Pressure:

2900 psi (200 bar) static

435 psi (30 bar) rotating

2900 psi (200 bar)
reciprocating

*Pressure containment

dependent on extrusion gap.

Teflon® is a registered trademark of Dupont. All trademarks remain property of their respective holders and are used only to directly describe the products being provided.

ORDERING INFORMATION - PC-87

Specify Thomson style, size and quantity (lbs) required.

Size	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
Approx. (ft/lb)	23.1	14.2	10	7.6	5.4	3.6	2.9	2.2	1.4
Std pkg (lbs)	1	5	2/5/10	5	5/25	5/10/25/50	10/25	10	10/20/50

Also available in metric sizes, die formed pre-packaged sets, and specialty cut lengths.
Contact A.R. Thomson Group for any special requirements.

SHAFT SPEED CONVERSION CALCULATIONS

Feet per minute (fpm)	Meter per second (m/s)
Shaft / sleeve diameter (in) x RPM x 0.262 = fpm	Shaft / sleeve diameter (in) x RPM x 0.0013299 = m/s
Shaft / sleeve diameter (mm) x RPM x 0.0103 = fpm	Shaft / sleeve diameter (mm) x RPM x 0.0000524 = m/s

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